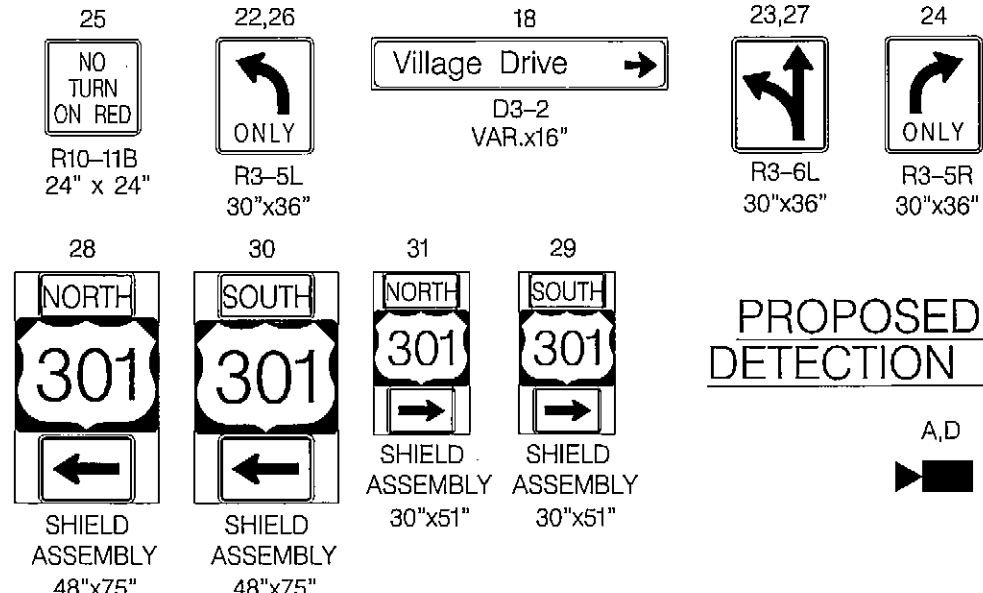


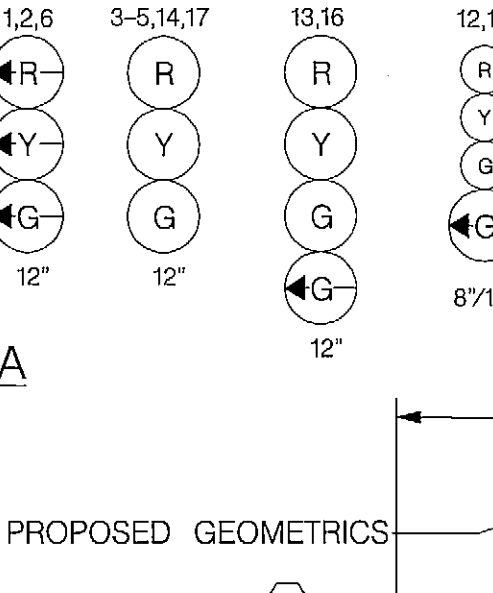
US 301 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

US 301 AND VILLAGE DRIVE

PROPOSED SIGNS



PROPOSED SIGNALS

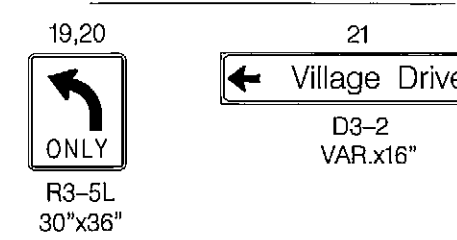


PROPOSED VIDEO  
DETECTION CAMERA



PROPOSED GEOMETRICS

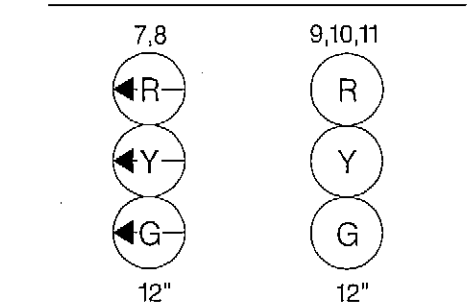
EXISTING SIGNS



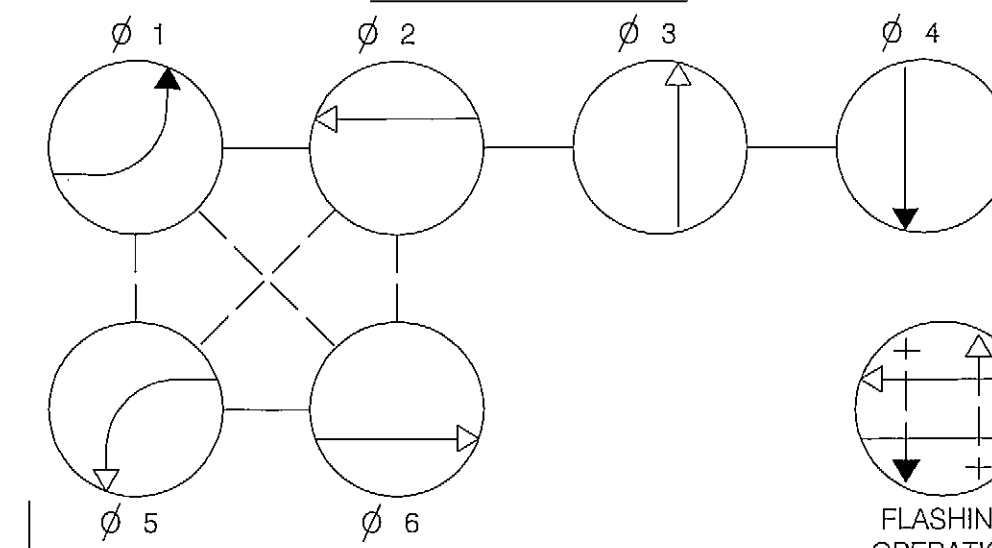
EXISTING VIDEO  
DETECTION CAMERA



EXISTING SIGNALS



NEMA PHASING



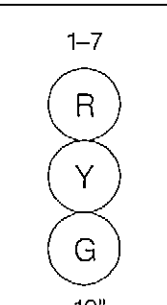
PHASING NOTES:  
1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

US 301

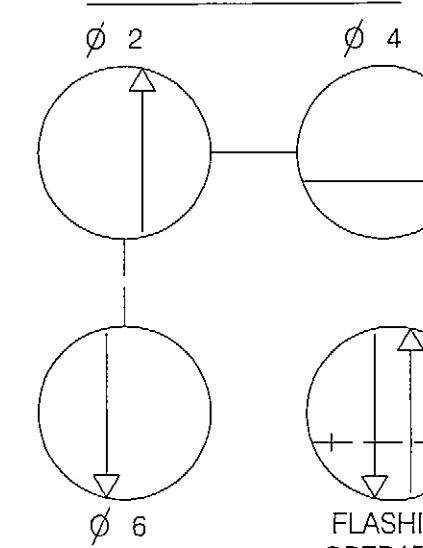
US 301

VILLAGE DRIVE AND OLD CRAIN HIGHWAY

EXISTING SIGNALS



NEMA PHASING



PHASING NOTES:  
1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.  
2) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.  
3) PHASES 2 AND 6 TO BE HELD GREEN IN THE ABSENCE OF PHASE 6 ON  
US 301 AND VILLAGE DRIVE

### CONSTRUCTION DETAILS

- INSTALL 21 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, AND SIGNS  
(NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- INSTALL 21 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA  
(NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- INSTALL ELECTRICAL HANDHOLE
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - BORED
- REMOVE EXISTING PAVEMENT MARKING LETTERS "ONLY" (SEE PM PLAN)
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE
- OMIT
- REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS
- USE EXISTING CONDUIT
- USE EXISTING HANDHOLE
- INSTALL SIGNAL HEAD ON MAST ARM POLE
- REMOVE EXISTING MAST ARM, POLE, AND ASSOCIATED EQUIPMENT
- CAP AND ABANDON EXISTING CONDUIT
- USE EXISTING METER SERVICE PEDESTAL
- ADJUST HANDHOLE TO FINAL GRADE
- INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
- PROVIDE 20 AMP SINGLE POLE CIRCUIT BREAKER IN PEDESTAL FOR POWER TO STREET LIGHTING LUMINAIRE
- INSTALL 27 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS, 20 FT. STREET LIGHTING BRACKET ARM WITH 250 WATT HPS LUMINAIRE AND LAMP WITH PHOTOCELL, SIGNS AND VIDEO DETECTION CAMERA  
(NOTE: INSTALL 2-3 IN. SCHEDULE 80, 90 DEGREE CONDUIT BENDS)

### AERIAL HEIGHTS

16'3", 17'9", 18'3", 19'1"

### GEOMETRIC LEGEND

PROPOSED  
EXISTING

### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE  
ELECTRICAL  
TELEPHONE  
GAS  
SEWER  
WATER  
CABLE TV

OLD CRAIN HWY.

VILLAGE DRIVE WEST

### GENERAL NOTES

- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE LOCATION OF PROPOSED GEOMETRICS MUST BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
- FOR ADDITIONAL SIGNING AND PAVEMENT MARKING SEE PLAN SHEET 2.
- WOOD SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD-812.05-01 AND MD-812.05-02.

TRAFFIC CONCEPTS, INC.

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TRAFFIC@TRAFFIC-CONCEPTS.COM

### APPROVALS

TEAM LEADER  
ASST. DIV. CHIEF  
DIVISION CHIEF  
OFFICE DIRECTOR

### REVISIONS

ADD FOURTH LEG 3-27-09  
TO INTERSECTION  
SHA NO. BW 988MB2  
MODIFY SIGNALS AND 12-90  
INSTALL NEW SIGNAL  
FOR NEW GEOMETRICS

SCALE 1" = 20' DATE 7-7-77 CONTRACT NO. 855-16087

DESIGNED BY H. KILIAN COUNTY PRINCE GEORGE'S  
DRAWN BY M.A. JOHNSON LOGMILE 16030116.07  
CHECKED BY T.I.M.S. NO. I-830  
F.A.P. NO. TOD NO.

DRAWING NO. TS-1521B SHEET NO. 1 OF 3

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DATE: Thursday, April 16, 2009 AT 10:34 AM